



Add value.
Inspire trust.

Introduction to Hydrogen Fundamentals E-Learning

Your Training at
TÜV SÜD Akademie



Course Description

The prevalence of hydrogen and its application in fuel cells is constantly increasing. Anyone who works with systems that use hydrogen must be aware of the potential hazards involved and the protective measures they may need to take. The institution for statutory accident insurance and prevention requires that employers make their employees aware of the hazards involved in handling hydrogen. This applies to all employees – i.e. not just to mechanics in workshops, but also to cleaning staff or office workers who could potentially come into contact with systems or vehicles that use hydrogen. Our practical, web-based self-study programme ensures that employees are appropriately trained. Employees will subsequently be aware of the hazards posed by hydrogen and know how to perform first aid in the event of an emergency. The program includes several comprehension tests and the final certificate serves as proper documentation of the participants

Who should attend

All employees who might come into contact with motor vehicles with hydrogen-bearing systems.

Course Objective

This course gives an overview about the fundamentals of hydrogen and the hydrogen technology as well as creating awareness of the hazards of handling with hydrogen.

Course contents

Topics to be covered in this course include:

- Fundamentals of hydrogen
- Hydrogen Technology
- Potential hazards
- Potential protective measures
- Principles of occupational health and safety when handling hydrogen

Methodology

The course employs a variety of training tools such as content-embedded assessment, simulations, and other interactive exercises to enhance instructional delivery. Easily accessible via your preferred choice of device, the course allows you to log in and learn whenever, wherever.

The cumulative duration of the programme is 180 minutes, after which you will be required to pass assessment to receive your recognised e-certificate with a unique ID.

Sale Modes: Single License, Group License, SCORM Sale

Duration: 180 minutes

Number of Chapters: 6

Number of Quizzes: 1

Learning Mode: Self-Paced (LMS)

Interactivity Level (1-4): 2-complex

Language: English